(-data from 03/01/1998 to 02/28/2003)

Segment ID: 1103 **Water body name:** Dickinson Bayou Tidal

Tidal Stream San Jacinto-Brazos Coastal Basin Total size: 15 Miles Status of Use # of # of Assessment Location Year Assessment Method **Support or Concern** Location samples exceedances Mean size **Aquatic Life Use** 2002 Dissolved Oxygen grab average Use Concern Arcadia Cemetery Road to IH 45 47 19 3.2 2002 Dissolved Oxygen grab average Use Concern Benson Bayou confluence to SH 3 0.8 70 14 2002 Dissolved Oxygen grab average Use Concern IH 45 to Benson Bayou confluence 11 1.4 23 2002 Dissolved Oxygen grab average Mariners Mooring Road to upstream of Gum Bayou No Concern 1 0.5 22. 2002 Dissolved Oxygen grab average No Concern 0 SH 3 to Mariners Mooring Road 2 24 2002 Dissolved Oxygen grab average Use Concern Upper segment boundary to Arcadia Cemetery Road 1.6 48 26 2002 0 Dissolved Oxygen grab average No Concern Upstream Gum Bayou to lower segment boundary 5.5 27 (below SH 146) 2002 Dissolved Oxygen grab minimum Not Supporting Arcadia Cemetery Road to IH 45 3.2 47 16 2002 Dissolved Oxygen grab minimum Use Concern Benson Bayou confluence to SH 3 70 8 0.8 2002 8 Dissolved Oxygen grab minimum Not Supporting IH 45 to Benson Bayou confluence 23 1.4 2002 Dissolved Oxygen grab minimum Fully Supporting Mariners Mooring Road to upstream of Gum Bayou 0.5 22. 2002 Dissolved Oxygen grab minimum 0 Fully Supporting SH 3 to Mariners Mooring Road 2 24 2002 Dissolved Oxygen grab minimum Not Supporting Upper segment boundary to Arcadia Cemetery Road 1.6 48 20 2002 0 Dissolved Oxygen grab minimum Upstream Gum Bayou to lower segment boundary 5.5 27 Fully Supporting (below SH 146) 2002 Dissolved Oxygen 24hr average Not Assess-Not Arcadia Cemetery Road to IH 45 3.2 8 7 Represent 2002 Dissolved Oxygen 24hr average 31 Partially Supporting Benson Bayou confluence to SH 3 0.8 113 2004 Dissolved Oxygen 24hr average 9 4 Partially Supporting IH 45 to Benson Bayou confluence 1.4 2002 Dissolved Oxygen 24hr average Mariners Mooring Road to upstream of Gum Bayou Not Assessed 0.5 0 2004 Dissolved Oxygen 24hr average Use Concern SH 3 to Mariners Mooring Road 2 10 2004 Dissolved Oxygen 24hr average Upper segment boundary to Arcadia Cemetery Road 8 7 Not Supporting 1.6 2002 Dissolved Oxygen 24hr average Not Assessed Upstream Gum Bayou to lower segment boundary 5.5 0 (below SH 146)

(-data from 03/01/1998 to 02/28/2003)

Segment ID: 1103

Water body name: Dickinson Bayou Tidal

Tidal Stream San Jacinto-Brazos Coastal Basin Total size: 15 Miles Status of Use Assessment Location # of # of Year Assessment Method **Support or Concern** Location exceedances Mean size samples Aquatic Life Use (continued) 2002 Dissolved Oxygen 24hr minimum 7 Not Assess-Not Arcadia Cemetery Road to IH 45 3.2 8 Represent 2002 Dissolved Oxygen 24hr minimum 65 Not Supporting Benson Bayou confluence to SH 3 113 0.8 2004 Dissolved Oxygen 24hr minimum IH 45 to Benson Bayou confluence 9 Partially Supporting 1.4 2002 Dissolved Oxygen 24hr minimum Not Assessed Mariners Mooring Road to upstream of Gum Bayou 0.5 0 2004 Dissolved Oxygen 24hr minimum 2 Use Concern SH 3 to Mariners Mooring Road 2 10 2004 Dissolved Oxygen 24hr minimum 4 Partially Supporting Upper segment boundary to Arcadia Cemetery Road 1.6 8 2002 Dissolved Oxygen 24hr minimum Not Assessed Upstream Gum Bayou to lower segment boundary 5.5 0 (below SH 146) 2002 Overall Aquatic Life Use Not Supporting Arcadia Cemetery Road to IH 45 3.2 2002 Overall Aquatic Life Use Not Supporting Benson Bayou confluence to SH 3 0.8 2004 Overall Aquatic Life Use Partially Supporting IH 45 to Benson Bayou confluence 1.4 2002 Overall Aquatic Life Use Fully Supporting Mariners Mooring Road to upstream of Gum Bayou 0.5 2004 Overall Aquatic Life Use Fully Supporting SH 3 to Mariners Mooring Road 2 Upper segment boundary to Arcadia Cemetery Road 2004 Overall Aquatic Life Use Not Supporting 1.6 2002 Overall Aquatic Life Use Fully Supporting Upstream Gum Bayou to lower segment boundary 5.5 (below SH 146) **Contact Recreation Use** 2002 Enterococci single sample Use Concern Arcadia Cemetery Road to IH 45 14 3.2 46 2002 Enterococci single sample Use Concern 0.8 14 Benson Bayou confluence to SH 3 48 2002 Enterococci single sample IH 45 to Benson Bayou confluence 22 15 Not Supporting 1.4 2002 Enterococci single sample Use Concern Mariners Mooring Road to upstream of Gum Bayou 0.5 22. 6 2002 Enterococci single sample 4 Fully Supporting SH 3 to Mariners Mooring Road 2 23 2002 Enterococci single sample 46 Not Supporting Upper segment boundary to Arcadia Cemetery Road 1.6 51 2002 2 Enterococci single sample Fully Supporting Upstream Gum Bayou to lower segment boundary 5.5 24 (below SH 146)

(-data from 03/01/1998 to 02/28/2003)

Page: 3

Segment ID: 1103 **Water body name:** Dickinson Bayou Tidal

Tidal Stream San Jacinto-Brazos Coastal Basin Total size: 15 Miles Status of Use # of # of Assessment Location Year Assessment Method **Support or Concern** Location exceedances Mean size samples Contact Recreation Use (continued) 2002 Enterococci geometric mean 59.4 Not Supporting Arcadia Cemetery Road to IH 45 3.2 46 2002 Enterococci geometric mean Not Supporting Benson Bayou confluence to SH 3 48 47.11 0.8 2002 190.9 Enterococci geometric mean Not Supporting IH 45 to Benson Bayou confluence 1.4 22. 2002 Enterococci geometric mean 30.4 Fully Supporting Mariners Mooring Road to upstream of Gum Bayou 0.5 22. 2002 Enterococci geometric mean 9.38 Fully Supporting SH 3 to Mariners Mooring Road 23 2002 Enterococci geometric mean Not Supporting Upper segment boundary to Arcadia Cemetery Road 1.6 51 158.2 2002 Enterococci geometric mean Fully Supporting Upstream Gum Bayou to lower segment boundary 5.5 24 5.71 (below SH 146) 2002 Fecal coliform single sample 17 Not Supporting Arcadia Cemetery Road to IH 45 3.2 55 Fecal coliform single sample 2002 Not Supporting Benson Bayou confluence to SH 3 0.8 77 28 2002 Fecal coliform single sample IH 45 to Benson Bayou confluence 13 Not Supporting 1.4 22. 2002 7 Fecal coliform single sample Use Concern Mariners Mooring Road to upstream of Gum Bayou 0.5 22. 2002 Fecal coliform single sample 10 Use Concern SH 3 to Mariners Mooring Road 31 2002 Fecal coliform single sample 21 Not Supporting Upper segment boundary to Arcadia Cemetery Road 1.6 58 2002 Fecal coliform single sample 5 Fully Supporting Upstream Gum Bayou to lower segment boundary 5.5 34 (below SH 146) 2002 Fecal coliform geometric mean Not Supporting 227.8 Arcadia Cemetery Road to IH 45 3.2 55 2002 Fecal coliform geometric mean 282.81 Not Supporting Benson Bayou confluence to SH 3 77 0.8 2002 Fecal coliform geometric mean IH 45 to Benson Bayou confluence 22. 500.3 Not Supporting 1.4 2002 Fecal coliform geometric mean Fully Supporting Mariners Mooring Road to upstream of Gum Bayou 0.5 22. 154.1 2002 Fecal coliform geometric mean 121.2 Fully Supporting SH 3 to Mariners Mooring Road 31 2002 Fecal coliform geometric mean 242.7 Upper segment boundary to Arcadia Cemetery Road Not Supporting 1.6 58 2002 Fecal coliform geometric mean 5.5 34 38.76 Fully Supporting Upstream Gum Bayou to lower segment boundary (below SH 146) 2002 Overall Recreation Use Arcadia Cemetery Road to IH 45 Not Supporting 3.2 2002 Overall Recreation Use Not Supporting Benson Bayou confluence to SH 3 0.8

(-data from 03/01/1998 to 02/28/2003)

Page: 4

Segment ID: 1103 Water body name: Dickinson Bayou Tidal

Tidal Stream		San Jacinto-Brazos Coastal Basin Total size:			15	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Contact Recro	eation Use (continued)						
2002	Overall Recreation Use	Not Supporting	IH 45 to Benson Bayou confluence	1.4			
2002	Overall Recreation Use	Fully Supporting	Mariners Mooring Road to upstream of Gum Bayou	0.5			
2002	Overall Recreation Use	Fully Supporting	SH 3 to Mariners Mooring Road	2			
2002	Overall Recreation Use	Not Supporting	Upper segment boundary to Arcadia Cemetery Road	1.6			
2002	Overall Recreation Use	Fully Supporting	Upstream Gum Bayou to lower segment boundary (below SH 146)	5.5			
General Use		•		1	•		
2002	Water Temperature	Fully Supporting	Arcadia Cemetery Road to IH 45	3.2	47	0	
2002	Water Temperature	Fully Supporting	Benson Bayou confluence to SH 3	0.8	70	0	
2002	Water Temperature	Fully Supporting	IH 45 to Benson Bayou confluence	1.4	23	0	
2002	Water Temperature	Fully Supporting	Mariners Mooring Road to upstream of Gum Bayou	0.5	27	0	
2002	Water Temperature	Fully Supporting	SH 3 to Mariners Mooring Road	2	24	0	
2002	Water Temperature	Fully Supporting	Upper segment boundary to Arcadia Cemetery Road	1.6	48	0	
2002	Water Temperature	Fully Supporting	Upstream Gum Bayou to lower segment boundary (below SH 146)	5.5	27	0	
2002	рН	Fully Supporting	Arcadia Cemetery Road to IH 45	3.2	47	0	
2002	pH	Fully Supporting	Benson Bayou confluence to SH 3	0.8	70	0	
2002	pH	Fully Supporting	IH 45 to Benson Bayou confluence	1.4	23	0	
2002	pH	Fully Supporting	Mariners Mooring Road to upstream of Gum Bayou	0.5	27	0	
2002	pH	Fully Supporting	SH 3 to Mariners Mooring Road	2	19	0	
2002	pH	Fully Supporting	Upper segment boundary to Arcadia Cemetery Road	1.6	42	0	
2002	pH	Fully Supporting	Upstream Gum Bayou to lower segment boundary (below SH 146)	5.5	21	1	
2002	Overall General Use	Fully Supporting	Arcadia Cemetery Road to IH 45	3.2			
2002	Overall General Use	Fully Supporting	Benson Bayou confluence to SH 3	0.8			

(-data from 03/01/1998 to 02/28/2003)

Page: 5

Segment ID: 1103 Water body name: Dickinson Bayou Tidal

Tidal Stream		San Jacinto-Brazos Coastal Basin Total size:			15 Miles			
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean	
General Use	(continued)							
2002	Overall General Use	Fully Supporting	IH 45 to Benson Bayou confluence	1.4				
2002	Overall General Use	Fully Supporting	Mariners Mooring Road to upstream of Gum Bayou	0.5				
2002	Overall General Use	Fully Supporting	SH 3 to Mariners Mooring Road	2				
2002	Overall General Use	Fully Supporting	Upper segment boundary to Arcadia Cemetery Road	1.6				
2002	Overall General Use	Fully Supporting	Upstream Gum Bayou to lower segment boundary (below SH 146)	5.5				
Fish Consump	otion Use							
2002	Overall Fish Consumption Use	Not Assessed	Arcadia Cemetery Road to IH 45	3.2				
2002	Overall Fish Consumption Use	Not Assessed	Benson Bayou confluence to SH 3	0.8				
2002	Overall Fish Consumption Use	Not Assessed	IH 45 to Benson Bayou confluence	1.4				
2002	Overall Fish Consumption Use	Not Assessed	Mariners Mooring Road to upstream of Gum Bayou	0.5				
2002	Overall Fish Consumption Use	Not Assessed	SH 3 to Mariners Mooring Road	2				
2002	Overall Fish Consumption Use	Not Assessed	Upper segment boundary to Arcadia Cemetery Road	1.6				
2002	Overall Fish Consumption Use	Not Assessed	Upstream Gum Bayou to lower segment boundary (below SH 146)	5.5				
Overall Use Si	ıpport					l		
2002		Not Supporting	Arcadia Cemetery Road to IH 45	3.2				
2002		Not Supporting	Benson Bayou confluence to SH 3	0.8				
2004		Not Supporting	IH 45 to Benson Bayou confluence	1.4				
2002		Fully Supporting	Mariners Mooring Road to upstream of Gum Bayou	0.5				
2004		Fully Supporting	SH 3 to Mariners Mooring Road	2				
2004		Not Supporting	Upper segment boundary to Arcadia Cemetery Road	1.6				
2002		Fully Supporting	Upstream Gum Bayou to lower segment boundary (below SH 146)	5.5				

(-data from 03/01/1998 to 02/28/2003)

Segment ID: 1103 **Water body name:** Dickinson Bayou Tidal

Tidal Stream San Jacinto-Brazos Coastal Basin Total size: 15 Miles Status of Use # of # of Assessment Location Year Assessment Method **Support or Concern** Location exceedances Mean size samples **Nutrient Enrichment Concern** 2002 Ammonia Nitrogen 0 No Concern Arcadia Cemetery Road to IH 45 3.2 44 2002 Ammonia Nitrogen No Concern Benson Bayou confluence to SH 3 58 0 0.8 2002 Ammonia Nitrogen No Concern IH 45 to Benson Bayou confluence 22. 0 1.4 2002 Ammonia Nitrogen 0 No Concern Mariners Mooring Road to upstream of Gum Bayou 0.5 22. 2002 Ammonia Nitrogen No Concern SH 3 to Mariners Mooring Road 22. 1 2002 2 Ammonia Nitrogen No Concern Upper segment boundary to Arcadia Cemetery Road 1.6 48 2002 Ammonia Nitrogen Upstream Gum Bayou to lower segment boundary 5.5 0 No Concern 24 (below SH 146) 2002 Nitrite + Nitrate Nitrogen Arcadia Cemetery Road to IH 45 0 No Concern 3.2 46 2002 Nitrite + Nitrate Nitrogen 0 No Concern Benson Bayou confluence to SH 3 0.8 58 2002 0 Nitrite + Nitrate Nitrogen No Concern IH 45 to Benson Bayou confluence 22. 1.4 2002 Nitrite + Nitrate Nitrogen No Concern Mariners Mooring Road to upstream of Gum Bayou 0 0.5 22. 2002 Nitrite + Nitrate Nitrogen No Concern SH 3 to Mariners Mooring Road 22. 2002 Upper segment boundary to Arcadia Cemetery Road Nitrite + Nitrate Nitrogen No Concern 1.6 48 2002 0 Nitrite + Nitrate Nitrogen No Concern Upstream Gum Bayou to lower segment boundary 5.5 24 (below SH 146) 2002 Orthophosphorus Arcadia Cemetery Road to IH 45 0 No Concern 3.2 22 2002 0 Orthophosphorus No Concern Benson Bayou confluence to SH 3 35 0.8 2002 Orthophosphorus No Concern IH 45 to Benson Bayou confluence 22. 0 1.4 2002 Orthophosphorus No Concern Mariners Mooring Road to upstream of Gum Bayou 0.5 22 0 2002 Orthophosphorus SH 3 to Mariners Mooring Road 2 0 Not Assessed 2002 Orthophosphorus Upper segment boundary to Arcadia Cemetery Road 1.6 22. 0 No Concern 2002 0 Orthophosphorus 2 Not Assessed Upstream Gum Bayou to lower segment boundary 5.5 (below SH 146) 2002 Total Phosphorus No Concern Arcadia Cemetery Road to IH 45 3.2 26 0 2002 **Total Phosphorus** Benson Bayou confluence to SH 3 0 No Concern 0.8 39

(-data from 03/01/1998 to 02/28/2003)

Segment ID: 1103

Water body name: Dickinson Bayou Tidal

Tidal Stream San Jacinto-Brazos Coastal Basin Total size: 15 Miles Status of Use # of Assessment Location # of Year Assessment Method **Support or Concern** Location exceedances Mean size samples **Nutrient Enrichment Concern** (continued) 2002 Total Phosphorus No Concern 0 IH 45 to Benson Bayou confluence 1.4 22 2002 Total Phosphorus 0 No Concern Mariners Mooring Road to upstream of Gum Bayou 0.5 22. 2002 Total Phosphorus SH 3 to Mariners Mooring Road 3 0 Not Assessed 2002 Total Phosphorus Upper segment boundary to Arcadia Cemetery Road 0 No Concern 1.6 25 Total Phosphorus 2002 Upstream Gum Bayou to lower segment boundary 0 Not Assessed 5.5 5 (below SH 146) 2002 Overall Nutrient Enrichment No Concern Arcadia Cemetery Road to IH 45 3.2 Concerns 2002 Overall Nutrient Enrichment No Concern Benson Bayou confluence to SH 3 0.8 Concerns 2002 Overall Nutrient Enrichment No Concern IH 45 to Benson Bayou confluence 1.4 Concerns 2002 Overall Nutrient Enrichment 0.5 No Concern Mariners Mooring Road to upstream of Gum Bayou Concerns 2002 Overall Nutrient Enrichment No Concern SH 3 to Mariners Mooring Road 2 Concerns 2002 Overall Nutrient Enrichment No Concern Upper segment boundary to Arcadia Cemetery Road 1.6 Concerns 2002 Overall Nutrient Enrichment No Concern Upstream Gum Bayou to lower segment boundary 5.5 Concerns (below SH 146) **Algal Growth Concern** 2002 Chlorophyll a Not Assessed Arcadia Cemetery Road to IH 45 3.2 0 2002 Chlorophyll a 0 No Concern Benson Bayou confluence to SH 3 0.8 14 2002 Chlorophyll a Not Assessed IH 45 to Benson Bayou confluence 0 1.4 2002 Chlorophyll a Mariners Mooring Road to upstream of Gum Bayou Not Assessed 0.5 0 2002 Chlorophyll a Not Assessed SH 3 to Mariners Mooring Road 0 2002 Chlorophyll a Upper segment boundary to Arcadia Cemetery Road Not Assessed 1.6 0

Segment ID: 1103 Water body name: Dickinson Bayou Tidal

Tidal Stream		San Jacinto-Brazos Coastal Basin Total size:			15 Miles				
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean		
Algal Growth	Concern (continued)								
2002	Chlorophyll a	Not Assessed	Upstream Gum Bayou to lower segment boundary (below SH 146)	5.5	2	0			
Sediment Con	taminants Concern								
2002	Overall Sediment Contaminant Concerns	Not Assessed	Arcadia Cemetery Road to IH 45	3.2					
2002	Overall Sediment Contaminant Concerns	Not Assessed	Benson Bayou confluence to SH 3	0.8					
2002	Overall Sediment Contaminant Concerns	Not Assessed	IH 45 to Benson Bayou confluence	1.4					
2002	Overall Sediment Contaminant Concerns	Not Assessed	Mariners Mooring Road to upstream of Gum Bayou	0.5					
2002	Overall Sediment Contaminant Concerns	Not Assessed	SH 3 to Mariners Mooring Road	2					
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper segment boundary to Arcadia Cemetery Road	1.6					
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upstream Gum Bayou to lower segment boundary (below SH 146)	5.5					
Fish Tissue C	ontaminants Concern	•							
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Arcadia Cemetery Road to IH 45	3.2					
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Benson Bayou confluence to SH 3	0.8					
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	IH 45 to Benson Bayou confluence	1.4					
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Mariners Mooring Road to upstream of Gum Bayou	0.5					
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	SH 3 to Mariners Mooring Road	2					

2002

No Concern

Page: 9

5.5

egment ID:	Water body 1	name: Dickinson	Bayou Tidal				
Tidal S	tream	San Jacinto-	Brazos Coastal Basin Total size:		15	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
ish Tissue Co	ontaminants Concern (continu	ued)					
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper segment boundary to Arcadia Cemetery Road	1.6			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upstream Gum Bayou to lower segment boundary (below SH 146)	5.5			
arrative Cri	teria Concern						•
2002	Overall Narrative Criteria Concerns	No Concern	Arcadia Cemetery Road to IH 45	3.2			
2002	Overall Narrative Criteria Concerns	No Concern	Benson Bayou confluence to SH 3	0.8			
2002	Overall Narrative Criteria Concerns	No Concern	IH 45 to Benson Bayou confluence	1.4			
2002	Overall Narrative Criteria Concerns	No Concern	SH 3 to Mariners Mooring Road	2			
2002	Overall Narrative Criteria Concerns	No Concern	Upper segment boundary to Arcadia Cemetery Road	1.6			
2002	Overall Narrative Criteria Concerns	No Concern	Mariners Mooring Road to upstream of Gum Bayou	0.5			
2002	Overall Narrative Criteria Concerns	No Concern	Upstream Gum Bayou to lower segment boundary (below SH 146)	5.5			
Overall Secon	dary Concern						•
2002		No Concern	Arcadia Cemetery Road to IH 45	3.2			
2002		No Concern	Benson Bayou confluence to SH 3	0.8			
2002		No Concern	IH 45 to Benson Bayou confluence	1.4			
2002		No Concern	Mariners Mooring Road to upstream of Gum Bayou	0.5			
2002		No Concern	SH 3 to Mariners Mooring Road	2			
2002		No Concern	Upper segment boundary to Arcadia Cemetery Road	1.6			

(below SH 146)

Upstream Gum Bayou to lower segment boundary